IN THE CLAIMS:

1. A method for rendering a graphical user interface (GUI), comprising:

providing for the representation of the GUI as a set of controls wherein the
controls are organized in a logical hierarchy and wherein each one of the
controls has an entitlement that can be used to determine whether or not the
control is visible when rendered;

traversing the representation, wherein the traversing comprises:

associating a theme with a first control in the set of controls; rendering the first control according to the theme;

rendering any descendents of the first control according to the theme; wherein any descendents of the first control can override the theme; and wherein one of the set of controls can communicate with another of the set of controls.

2. The method of claim 1 wherein:

one of the set of controls can respond to an event raised by another of the set of controls.

- 3. The method of claim 1 wherein: a control can have an interchangeable persistence mechanism.
- 4. The method of claim 1 wherein: a control can have an interchangeable rendering mechanism.
- 5. The method of claim 1, further comprising: accepting a request.
- 6. The method of claim 5 wherein:
 the request in a hypertext transfer protocol (HTTP) request.
- 7. The method of claim 5 wherein:

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the request originates from a Web browser.

8. The method of claim 1, further comprising: generating a response.

9. The method of claim 1 wherein:

an control can represent one of: button, text field, menu, table, window, window control, title bar, pop-up window, check-box button, radio button, window frame, desktop, shell, head, body, header, footer, book, page, layout, placeholder, portlet and toggle button.

10. The method of claim 1 wherein:

associating the theme with the first control can occur when the first control is rendered.

11. The method of claim 1 wherein:

the first control inherits the theme from a parent control.

12. The method of claim 1 wherein:

the theme specifies the appearance and/or functioning of an control in the GUI.

13. The method of claim 1 wherein:

rendering the first control according to the theme can be accomplished in parallel with rendering of other controls.

14. The method of claim 1 wherein:

the theme can be specified in whole or in part by a properties file.

15. The method of claim 14 wherein:

the properties file can include at least one of: 1) cascading style sheet; 2) Java Server Page; 3) Extensible Markup Language; 4) text; 5) Hypertext Markup

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Language; 6) Extensible Hypertext Markup Language; 7) JavaScript; and 8) Flash MX.

16. The method of claim 14 wherein: the properties file can specify at least one image.

17. The method of claim 1 wherein: the GUI is part of a portal on the World Wide Web.

18. A method for rendering a graphical user interface (GUI), comprising: accepting a request;

mapping the request to a set of controls that represent the GUI, and wherein the controls are organized in a logical hierarchy and wherein each one of the controls has an entitlement that can be used to determine whether or not the control is visible when rendered:

traversing the representation, wherein the traversing comprises:

associating a theme with a first control in the set of controls; rendering the first control according to the theme;

rendering any descendents of the first control according to the theme;

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and

wherein any descendents of the first control can override the theme.

19. The method of claim 18 wherein: the request in a hypertext transfer protocol (HTTP) request.

20. The method of claim 18 wherein: the request originates from a Web browser.

The method of claim 18, further comprising: 21. generating a response.

22. The method of claim 1 wherein:

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one of the set of controls can respond to an event raised by another of the set of controls.

23. The method of claim 1 wherein:

a control can have an interchangeable persistence mechanism.

24. The method of claim 1 wherein:

a control can have an interchangeable rendering mechanism.

25. The method of claim 18 wherein:

an control can represent one of: button, text field, menu, table, window, window control, title bar, pop-up window, check-box button, radio button, window frame, desktop, shell, head, body, header, footer, book, page, layout, placeholder, portlet and toggle button.

26. The method of claim 18 wherein:

associating a theme with the first control can occur when the first control is rendered.

27. The method of claim 18 wherein:

the first control inherits the theme from a parent control.

28. The method of claim 18 wherein:

the theme specifies the appearance and/or functioning of an control in the GUI.

29. The method of claim 18 wherein:

rendering the first control according to the theme can be accomplished in parallel with rendering of other controls.

30. The method of claim 18 wherein:

the theme can be specified in whole or in part by a properties file.

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The method of claim 30 wherein: 31.

the properties file can include at least one of: 1) cascading style sheet; 2) Java Server Page; 3) Extensible Markup Language; 4) text; 5) Hypertext Markup Language; 6) Extensible Hypertext Markup Language; 7) JavaScript; and 8) Flash MX.

32. The method of claim 30 wherein:

the properties file can specify at least one image.

33. The method of claim 18 wherein:

the GUI is part of a portal on the World Wide Web.

34. A method for rendering a graphical user interface (GUI), comprising:

providing for the representation of the GUI as a plurality of controls wherein the controls are organized in a logical hierarchy and wherein each one of the controls has an entitlement that can be used to determine whether or not the control is visible when rendered:

traversing the representation, wherein the traversing comprises:

associating a first theme with a first control in the plurality of controls; rendering the first control according to the first theme;

associating a second theme with a second control in the plurality of controls;

rendering the second control according to the second theme; and wherein the second control is a descendant of the first control.

35. The method of claim 34, further comprising:

accepting a request.

36. The method of claim 35 wherein:

the request in a hypertext transfer protocol (HTTP) request.

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37. The method of claim 35 wherein: the request originates from a Web browser.

- 38. The method of claim 34, further comprising: generating a response.
- 39. The method of claim 1 wherein:
 the first control can respond to an event raised by the second control.
- 40. The method of claim 1 wherein: an control can have an interchangeable persistence mechanism.
- 41. The method of claim 1 wherein: an control can have an interchangeable rendering mechanism.
- 42. The method of claim 34 wherein:

an control can represent one of: button, text field, menu, table, window, window control, title bar, pop-up window, check-box button, radio button, window frame, desktop, shell, head, body, header, footer, book, page, layout, placeholder, portlet and toggle button.

- 43. The method of claim 34 wherein: the first control inherits the first theme from a parent control.
- 44. The method of claim 34 wherein:
 the first theme specifies the appearance and/or functioning of the first control in the GUI.
- 45. The method of claim 34 wherein:

the rendering the first control can be accomplished in parallel with the rendering of the second control.

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46. The method of claim 34 wherein: a theme can be specified in whole or in part by a properties file.

47. The method of claim 46 wherein:

the properties file can include at least one of: 1) cascading style sheet; 2) Java Server Page; 3) Extensible Markup Language; 4) text; 5) Hypertext Markup Language; 6) Extensible Hypertext Markup Language; 7) JavaScript; and 8) Flash MX.

The method of claim 46 wherein: 48. the properties file can specify at least one image.

The method of claim 34 wherein: 49. the GUI is part of a portal on the World Wide Web.

A machine readable medium having instructions stored thereon that when 50. executed by a processor cause a system to:

provide for the representation of the GUI as a set of controls wherein the controls are organized in a logical hierarchy and wherein each one of the controls has an entitlement that can be used to determine whether or not the control is visible when rendered;

traverse the representation, wherein the traversing comprises instructions to cause the system to:

associate theme with a first control in the set of controls; render the first control according to the theme; render any descendents of the first control according to the theme; wherein any descendents of the first control can override the theme; and

wherein one of the set of controls can communicate with another of the set of

controls.

The machine readable medium of claim 50 wherein: 51.

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one of the set of controls can respond to an event raised by another of the set of controls.

52. The machine readable medium of claim 50 wherein: a control can have an interchangeable persistence mechanism.

53. The machine readable medium of claim 50 wherein: a control can have an interchangeable rendering mechanism.

54. The machine readable medium of claim 50, further comprising instructions that when executed cause the system to:

accept a request.

55. The machine readable medium of claim 54 wherein: the request in a hypertext transfer protocol (HTTP) request.

56. The machine readable medium of claim 54 wherein: the request originates from a Web browser.

57. The machine readable medium of claim 50, further comprising instructions that when executed cause the system to:

generate a response.

58. The machine readable medium of claim 50 wherein:

an control can represent one of: button, text field, menu, table, window, window control, title bar, pop-up window, check-box button, radio button, window frame, desktop, shell, head, body, header, footer, book, page, layout, placeholder, portlet and toggle button.

59. The machine readable medium of claim 50 wherein:

associating the theme with the first control can occur when the first control is rendered.

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- 60. The machine readable medium of claim 50 wherein: the first control inherits the theme from a parent control.
- 61. The machine readable medium of claim 50 wherein:
 the theme specifies the appearance and/or functioning of an control in the GUI.
- 62. The machine readable medium of claim 50 wherein: rendering the first control according to the theme can be accomplished in parallel with rendering of other controls.
- 63. The machine readable medium of claim 50 wherein: the theme can be specified in whole or in part by a properties file.
- 64. The machine readable medium of claim 63 wherein:
 the properties file can include at least one of: 1) cascading style sheet; 2) Java
 Server Page; 3) Extensible Markup Language; 4) text; 5) Hypertext Markup
 Language; 6) Extensible Hypertext Markup Language; 7) JavaScript; and 8) Flash
 MX.
- 65. The machine readable medium of claim 63 wherein: the properties file can specify at least one image.
- 66. The machine readable medium of claim 50 wherein: the GUI is part of a portal on the World Wide Web.
- 67. A computer data signal embodied in a transmission medium, comprising:
 a code segment including instructions to provide for the representation of the
 GUI as a set of controls wherein the controls are organized in a logical hierarchy and
 wherein each one of the controls has an entitlement that can be used to determine

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whether or not the control is visible when rendered:

a code segment including instructions to traverse the representation comprising:

a code segment including instructions to associate theme with a first control in the set of controls;

a code segment including instructions to render the first control according to the theme;

a code segment including instructions to render any descendents of the first control according to the theme;

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wherein any descendents of the first control can override the theme; and wherein one of the set of controls can communicate with another of the set of controls.

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